

CAETS Council Meeting  
London  
September 15, 2016

### **Election of Board Members for 2017**

**ACTION:** The following persons have been nominated by their respective member academies for the positions noted. Brief bios follow. The Council is asked to elect these persons to their respective positions.

President-elect	Lucio Caceres	ANIU, Uruguay
Member	Vladimir Andročec	HATZ, Croatia
Member	Frank Behrendt	acatech, Germany
Member	Trueman Goba	SAAE, South Africa
Member	Ulrich (Ueli) W. Suter	SATW , Switzerland

Assuming the above persons are elected, the Board membership for the period January 1, 2017 through December 31, 2017 will be:

President	Elias Fereres	RAIng, Spain
President-elect	Lucio Caceres	ANIU, Uruguay
Secretary, Treasurer	William C. Salmon	United States
Past President	Ann Dowling	RAEng, UK
Member <sup>1</sup>	Paul Verstraeten	BACAS, Belgium
Member <sup>1</sup>	Hideaki Koizumi	EAJ, Japan
Member <sup>1</sup>	Martin Philip Bendsoe	ATV, Denmark
Member <sup>1</sup>	Jaime Parada	AI, Mexico
Member <sup>2</sup>	Vladimir Andročec	HATZ, Croatia
Member <sup>2</sup>	Frank Behrendt	acatech, Germany
Member <sup>2</sup>	Trueman Goba	SAAE, South Africa
Member <sup>2</sup>	Ulrich (Ueli) W. Suter	SATW , Switzerland

<sup>1</sup> Term is 2016 and 2017

<sup>2</sup> Term is 2017 and 2018

## **Nomination for 2017 CAETS President-elect**

**ING. LUCIO CACERES**

**ANIU, Uruguay**

BORN 14/9/1949 MARRIED, 3 CHILDREN

HOUSE: LUIS P. PONCE 1320 AP.301 MONTEVIDEO, URUGUAY

OFFICE: AQUILES LANZA 1147 MONTEVIDEO, URUGUAY

CELL: +598-99657354; PHONE: +598-27072401

### **ACADEMIC TITLES**

CIVIL ENGINEER, UNIVERSIDAD DE LA REPUBLICA, FACULTAD DE INGENIERIA, URUGUAY, 1977 GRADUATE COURSE ON PROJECTS APPRAISAL, 1978

### **PROFESSIONAL EXPERIENCE**

2014 -2016

President of the National Academy of Engineering, Uruguay

Regional infrastructure specialist for Latin America and the Caribbean, UNOPS (United Nations Office for Projects Services), in charge of advising representations on infrastructure.

During 2015 has supervised 131 public infrastructure projects in Latin America and the Caribbean and has participated directly in projects in Costa Rica, Panama, El Salvador, Guatemala, Peru, Paraguay, Saint Vincent, Uruguay and Brazil. Consultant for Martin Garcia channel , EIH SA, Argentina.

2004 – 2016. Independent consultant for: UNOPS, IBRD, IDB, CAF, APCD, People Republic of China, and MOPC Paraguay, MOP Panama. President of Lucara SA a consulting firm for projects in the infrastructure sector in Uruguay. Advisor to several construction and transport companies.

2011-2016

Professor Master Course of Civil Engineering “Transport Investment Projects”, University of Piura, Peru.

1980 -2009

Professor of Roads and Streets, Faculty of Engineering, University of the Republic, Uruguay

Professor Feasibility analysis of roads and transport investment projects, Faculty of Engineering.

Head of the Roads and Transport Department, Faculty of Engineering, Uruguay 1995-2004

2000 - 2004 Minister of Transport and Public Works. Uruguay

1995-2004 Minister of Transport and Public Works, Uruguay.

1995 – 1990 Independent consultant for World Bank, Inter-American Development Bank, and Governments of Argentina, Panamá and Paraguay. Advisor for a consulting firm Hidrosud, Uruguay.

1985 - 1989 National Director of Roads of the Ministry of Transport and Public Works, Uruguay.

1977 - 1985 Head of Zone 8 of the National Roads Department of the Ministry of Transport and Public Works, Uruguay.

Roads Works supervisor, National Roads Department, Ministry of Transport and Public Works, Uruguay

1978 – 1985 Technical Advisor of the Municipality of Durazno, Uruguay. Technical Advisor of the Municipality of Florida, Uruguay 1984 TECON Owner, aggregates producer company, Uruguay.

1983 Technical Advisory Armco, Uruguay.

1977 - 1978 Technical Advisor CONICYT (National Council for Scientific and Technology research), Organization of American States (OAS), Ministry for Education and Culture, Uruguay.

## Nominations for Members of the Board of Directors, 2017 – 2018

### **Vladimir Andročec                      HATZ                      Croatia**

Prof. Vladimir Andročec, Ph. D., was born on February 4, 1946 in Varaždin, Croatia (at the time a Republic of the former Yugoslavia). He has been elected President of the Croatian Academy of Engineering on May 21, 2013 at the 28<sup>th</sup> Annual (Elective) Assembly of the Academy. His four-year mandate started on July 1, 2013.

Professor Andročec is a retired Full Professor in tenure of the Faculty of Civil Engineering of the University of Zagreb, Croatia. He acquired his B. Sc. (1970) as well as his M. Sc. (1976) and Ph.D. (1986) at the Faculty of Mechanical Engineering and Naval Architecture of the University of Zagreb, Croatia.

His fields of scientific and professional interests encompass ship hydrodynamics, fluid mechanics, experimental modeling, theoretical and experimental hydrodynamics and hydraulics, hydraulic engineering, ship and vessel hydrodynamic, ports, marinas and ocean engineering, physical modeling of open flows and hydraulic structures, development of experimental techniques and methods, design and construction of new laboratories and devices, education of civil engineers – MScs and PhDs. He has published more than 400 design studies, analyses, reviews, scientific and professional papers as well as conference proceedings papers.

In the period 1969-1980 he held the position of the Head of Hydrodynamic Laboratories, Department of Ship Hydrodynamics at the Shipbuilding Research Institute, Ltd., in Zagreb. In the period 1992-2000 Professor Andročec served as the General Manager of the Shipbuilding Research Institute, Ltd. From 1980 to 1991 he worked at the Civil Engineering Institute in Zagreb and became Assistant Professor at the Faculty of Civil Engineering of the University of Zagreb. He held the position of the Head of Faculty's Hydraulic Laboratory until today. Since 2000 has been is a Full Professor at the Department of Hydraulic Engineering of the Faculty of Civil Engineering in Zagreb. He was also Professor of Fluid Mechanics at the Faculty Civil Engineering of the University of Rijeka, Croatia (since 1990) as well as at the Faculty of Geotechnical Engineering in Varaždin, Croatia (since 1991).

Professor Andročec is a Certified Civil Engineer. His foreign language competencies include English (speaking, writing, listening, reading), German (listening and reading) and Russian (listening and reading).

He has served as the President of the Management Committee of the EKO-Kaštelanski zaljev (EKO-Bay of Kaštela, Croatia) in the period 1999-2005. Currently he is a Member of the BICRO Management Committee and the owner and director of a private company, Hydroexpert, Ltd. He is a Member of the IAHR (International Association of Hydraulic Research) as well as Member of the Council for Maritime Affairs of the Croatian Academy of Sciences and Arts. In the period 1991-1995 he was a Member of the ISSC. He is also a Member of the Croatian Society of Mechanics and the Croatian Systems Society.

Prof. Dr. Frank Behrendt, born 1959, studied chemistry at RWTH Aachen and Heidelberg University. He got his PhD in 1989 from Heidelberg University for his work on modelling of diffusion flames including detailed chemical reaction mechanism. Additional research on catalytic ignition and combustion including extended research stays at the Chalmers University of Technology (Gothenborg, Sweden) and the Combustion Research Facility (Sandia National Laboratories, CA, USA) led to his habilitation at Stuttgart University in 1999.



Since 2001 he is Full Professor for Energy Process Engineering and Conversion Technologies for Renewable Energies at Berlin Institute of Technology (TU Berlin). His scientific work focuses on the experimental investigation of two-phase flows exemplified by the gasification of biomass in various types of reactors. These experiments are complemented by extensive modelling and simulation efforts as well as their economical and ecological evaluation.

2007 he became Director of the Innovation Centre Energy being responsible for the coordination of all energy-related research at TU Berlin.

In the same year Behrendt was elected as fellow of the National Academy of Science and Engineering (acatech). Since 2012 he is acatech's International Representative for the topics "Energy and Resources", and as such he was a member of the board of directors of the Council of Academies of Engineering and Technological Sciences (CAETS) for the period 2013 and 2014. 2016 Behrendt was elected as fellow of the SATW - Swiss Academy of Engineering Sciences.

Since 2008 Behrendt is the German delegate to the Implementing Agreement "Emissions Reduction in Combustion" of the International Energy Agency (IEA).

Behrendt is the managing director of the TU-Campus EUREF gGmbH, is member of the extended board of directors of the Berlin-Brandenburg district of the Association of German Engineers (VDI), and member of the Advisory Board of the „European Centre for Energy and Resource Security (EUCERS)“ within the Department of War Studies of the King's College in London. He is member of a number of scientific associations and serves in numerous advisory roles on centres, councils and agencies.

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## **Trueman Goba      SAAE      South Africa**

Trueman Goba is the chairman of Hatch Africa (Pty) Ltd, part of the global consulting, engineering and construction management company, Hatch.

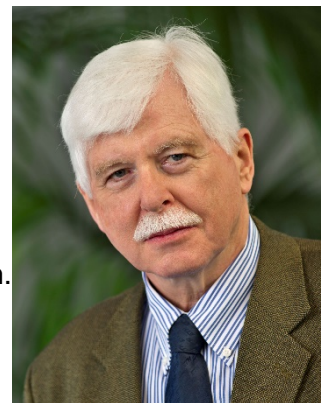
Trueman was born in Durban, South Africa and attended school in the townships and surrounding area. He obtained a survey technician's diploma, and later, a B.Sc (Eng) at University of Natal and Master of Engineering (Civil) degree at Cornell University, USA.

He founded Goba Moahloli and Associates in 1993 and has since served numerous companies as Director, including the Construction Industry Development Board.

He was President of SA Institution of Civil Engineering (SAICE) (2002), President of Engineering Council of SA (ECSA) (2007 - 2009) and was elected President of the SA Academy of Engineering (SAAE) recently for the 2016 – 2018 term.

Trueman was appointed by the President of SA to serve on the first National Planning Commission for the country, for the term starting in May 2010 to April 2015, an experience which he found most rewarding.

## Ulrich (Ueli) W. Suter SATW Switzerland



<b>Born</b>	June 10, 1944, in Zurich	
<b>Education</b>	Basic Schooling in Baden and Aarau ETH Zurich, Department of Chemistry	1951-63 Matura C 1964-69 Dipl.Ing.Chem. 1969-73 Dr.Sc.techn.
<b>Further Studies</b>	Stanford University, Department of Chemistry, USA ETH Zurich, Department of Chemistry IBM Almaden Research Center, SanJose, California, USA <i>msi</i> Inc., San Diego, California, USA	1974-75 Postdoctoral Researcher 1976-81 "Oberassistent," Habilitation, PD 1981-83 Visiting Scientist 1996 Visiting Scientist
<b>Positions</b>	MIT, Department of Chemical Engineering, Cambridge, USA  ETH Zurich, Department of Materials, Institute of Polymers ETH Zurich, Executive Board  MIT, Department of Chemical Engineering, Cambridge, USA E.S.P.C.I. (École Supérieure de Physique et Chimie Industrielle de la Ville de Paris) University of Arizona, Tucson, USA Seoul National University, Korea National University of Singapore Imperial College London, UK Université Louis Pasteur, Strasbourg, F	1981-85 Associate Professor w/out tenure 1985-87 Associate Professor with tenure 1987-89 Full Professor 1988-2008 Professor of Polymer Chemistry 2001-05 Vice President of Research 1989-95 Visiting Senior Lecturer 1996/97 Professeur Associé 1995/96 Visiting Professor 1996 Visiting Professor 1999 Visiting Professor 2000 Visiting Professor 2001 & 2007 Professeur Associé
<b>Involvement in Journals</b>	Co-Editor of <i>Journal of Computer-Aided Materials Design</i> Member of the Editorial Boards and Editorial Advisory Boards of <i>Angewandte Chemie</i> ; <i>Journal of Polymer Science, Polymer Chemistry Edition</i> ; <i>Macromolecular Chemistry and Physics</i> ; <i>Macromolecular Theory and Simulation</i> ; <i>Macromolecules (past)</i> ; <i>Polymer</i> ; <i>Polymers for Advanced Technologies</i> ; <i>Supercritical Fluids (past)</i> ; <i>Chimia</i> (Guest Editor), Associate Editor-in-Chief <i>Engineering</i> , and others	
<b>Professional Recognition</b>	1974 Silver Medal of ETH, Kern-Prize 1994 Fellow of the American Physical Society 1995-2001 Scientific Advisory Board, Institute for Solid-state Research, FZ Jülich 1996-2008 Scientific Advisory Board, Max-Planck Institute for Polymer Research, Mainz 1999- Fellow of the Institute of Physics 2002 Paul J. Flory Polymer Education Award of the American Chemical Society 2003 Staudinger-Durrer Prize of the Department of Materials at ETH Zurich 2004 Member of the Swiss Academy of Engineering Sciences (SATW), Executive Board Member 2007-2009, Vice President 2009-2011, President 2011- 2010 Founding POLY Fellow of the American Chemical Society - ca. two dozen named lectureships - service in ca. three dozen international commissions & committees	

Visiting positions

<b>Boards of Directors</b>	WICOR Holding AG, Rapperswil SG, Switzerland (1997- , President 2010- ); SIKA AG, Baar, Switzerland (2004- ); GlobalSurface AG, Nussbaumen, TG, Switzerland (1997-2013); Quadrant AG, Zurich, Switzerland (2009-2010); ETH Zürich SEC AG (President 2010-2015); ETH Singapore SEC Ltd. (2010-2014); Rainbow Photonics, Zürich (2010- ); Swiss Federal Institute of Metrology METAS, Institute Council (Vice President 2011- ); Cedar Advanced Technologies, Zug (2013- )		
<b>Advisory Boards</b>	Dow Chemical Technical Advisory Board (1998-2003); National Research Foundation of Singapore, Co-Chairman Scientific Advisory Board (2006-2012); National Research Foundation of Singapore, Chairman Competitive Research Programme / International Evaluation Panel, Special Advisor (2012- ); SwissRe Advisory Panel (2006-2012)		
<b>Consultant</b>	Technical consultant to industry (Materials Science, Technology Management), Universities and other Scientific Institutions (Evaluations & Management)		
<b>Foundations &amp; Forums</b>	Academia Engelberg (2001-2010); Forum VERA, Bern (2003- ); ETH Zurich Foundation (2003-2005); Zürich Orient Foundation, Zurich, Founding President (2004-5); ESM Foundation, Zurich, (2007-2010); Stiftung zur Förderung der Denkmalpflege, Zurich (2008-2011); Stiftung Bibliothek Werner Oechslin, Einsiedeln, President (2008- ); Foundation SwissContact, Zurich (2010- ); Stiftung Pensionskasse der Weidmann Unternehmen, Rapperswil (2010- )		
<b>Service to ETH Zurich</b>	<ul style="list-style-type: none"> <li>- <i>ca. three dozen Faculty Search Committees</i></li> <li>- <i>ca. two dozen various committees</i></li> <li>- <i>chairman Computer-Kommission for one term (and merger with Informatik-Kommission)</i></li> <li><i>1993-1997 Member of the Research Commission</i></li> <li><i>1997-2001 President of University Assembly</i></li> <li><i>2001-2005 VP for Research to 100%</i></li> <li><i>2008-2009 Project Leader HPNC (“the new CSCS”)</i></li> <li><i>2007-2010 Coordinator CITIUS project (with SBSV &amp; 11 industrial partners)</i></li> <li><i>2010-2014 Confidant for Allegations of research Misconduct at ETH Zurich</i></li> </ul>		
<b>Scientific Publications</b>	ca. 350	<b>Citations</b> ca. 14'200 (Google Scholar)	<b>h-index</b> 66 <b>i10-index</b> 220
<b>ResearcherID</b>	H-8900-2013	<b>ORCID</b>	<a href="http://orcid.org/0000-0001-7467-7346">http://orcid.org/0000-0001-7467-7346</a>

June 2016